

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)					Page 1 of 1		
					June 2001		
TO: Executive Director, Florida Inland Navigation District 1314 Marcinski Road, Jupiter, FL, FL				FROM: USACE. District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida			
RIVER/HARBOR NAME AND STATE Intracoastal Waterway, Martin Co., FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			

Cut M-4: from green Light-233 to 250 feet south of red Light-236	Jun-2001	125-220	0.5	10	9.5 (1)	8.4 (1)	9.3 (1)
Cut M-5: from 250 south of red Light-236 to 400 feet north of red Light-4	Jun-2001	125-220	1.2	10	6.7 (2)	6.6 (2)	6.3 (2)
Cuts M-6 & M-7: from 400 feet north of red Light-4 to green Light-9	Jun-2001	125 - 180	0.7	10	9.3 (3)	9.9 (3)	9.5 (3)
Cut M-8: from green Light-9 to green Light-11	Jun-2001	125	0.5	10	9.9 (4)	9.8 (4)	8.4 (4)
OWW; Cut-1: from 600 feet east of red Buoy-2 to 150 feet west of red Nun Buoy-6A.	Jun-2001	80 - 225	0.7	8	3.7 (5)	2.7 (5)	0.0 (5)
Cut-2: from 150 feet west of red Nun Buoy-6A to 300 feet north of green Light-11	Jun-2001	80-225	0.3	8	8.5 (6)	2.9 (6)	0.0 (6)
Cut-3: from 300 feet north of green Light-11 to 400 south of green Light-13	Jun-2001	80 - 120	0.2	8	12.9	14.1	13.2

Remarks:

1. Spot shoaling located from green Light-233 and extending approximately 600 feet south. Shoaling also located along the eastern half of channel from red Light-236 and extending 250 feet south to end of Cut M-4. Minor spot shoaling in the widener of Cuts M-4 and M-5.
2. Shoaling along western edge of channel from 250 feet south of red Light-236 to 300 feet south of green Daybeacon-239. From 300 feet south of green Daybeacon-239 shoaling extends throughout entire channel to red Light-240. Shoaling again encompasses entire channel from 1,300 feet south of red Light-240 to 250 feet north of green Light-3. Shoaling continues along western edge of channel from 250 feet north of green Light-3 to end of Cut M-5.
3. Minor shoaling along western edge of channel from red Light-4 extending 400 feet north. Minor shoaling located along the eastern edge of channel from green Daybeacon-3A to green Light-9.
4. Shoaling along eastern and western edges of channel from green Light-9 to green Light-11.
5. Shoaling from 200 feet east of red Buoy-2 and extending to 150 feet east of green Can Buoy-3A. Deeper water exists north of the Federal Channel as marked by the USCG. Shoaling also located on northern half of channel from 200 feet west of green Daybeacon-5 to 350 feet west of red Daybeacon-6. Deeper water is located south of the channel in this area, as marked by the USCG.
6. Extreme shoaling along northern edge of widener and extending throughout eastern half of channel to red Daybeacon-10. The USCG has marked more navigable water to the south of the Federal Channel.